

TOOLBOX

BACKGROUND OF THE INVENTION

I. Field of the Invention

5 This invention relates generally to a toolbox and, more specifically, to a toolbox that stores tools, parts and can be carried by users, the outer appearance of the toolbox is in football shape; not only the outer appearance differs from the prior art, the inner space is also designed and planned for more storage room.

II. Description of the Prior Art

Heretofore, it is known that a toolbox, as shown in FIG 1, is in flat rectangular shape with upper and lower covers, the upper and lower covers form several container slots face to face for tools to place in. The appearance of such toolboxes are very common without originality, the container slots can only be installed between upper and lower covers face to face, the space sometimes is insufficient, if more space is needed, the volume of the toolbox must be enlarged, the toolbox is relatively larger and not easy to carry.

SUMMARY OF THE INVENTION

It is therefore a primary object of the invention to provide a toolbox to offer a different outer appearance from the prior flat rectangular shape toolbox and more storage room. The outer appearance of the present invention is in football shape, the configuration is totally different from the flat rectangular shape; the

box and the upper cover of the present invention offers more storage room; the storage space and collecting slots have better planning; the extra collecting plate, compare to the prior art, offers extra storage space for more hand tools and parts, however the total volume is not
5 larger than the prior art, the storage space of the present invention will not be larger, users can carry the toolbox easily.

In order to achieve the objective set forth, a toolbox in accordance with the present invention comprises:

a box in half elliptic shape appearance with a concaved half
10 ball shape storage space internally, the lower inner wall of the box is protruding out and forms a loading area, several protruding stands are on the bottom of the box;

an upper cover in half elliptic shape with a concaved space internally, some portion of the brink on the bottom of the upper cover
15 links to the box to open and close, several indentation slots are formed in different sizes and shapes internally to the upper cover;

a handle passing through the top of the upper cover, two shafts are fixed on the upper cover, two feet of the handle insert into the upper cover, two shafts go through the vertical long hole on the two
20 feet of the handle;

a collecting plate in an independent tray structure and on the loading area inside the box, several indentation slots in different sizes and shapes are on the top of the collecting plate.

25 **BRIEF DESCRIPTION OF THE DRAWINGS**

The accomplishment of the above-mentioned object of the present invention will become apparent from the following description and its accompanying drawings which disclose illustrative

an embodiment of the present invention, and are as follows:

FIG 1 is a perspective view of the prior art;

FIG 2A is a perspective view of the present invention;

5 FIG 2B is another perspective view of the present invention;

FIG 3 is a front view of the present invention;

FIG 4A is an internal view of the present invention;

FIG 4B is another internal view the present invention;

FIG 5 is a perspective and application view and tools, parts in
10 accordance with the present invention;

FIG 6 is another perspective and application view and tools,
parts in accordance with the present invention;

FIG 7A is a cross-sectional view the present invention;

FIG 7B is another cross-sectional view the present invention.

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DESCRIPTION OF THE PREFERRED EMBODIMENT

The present invention is a one-body plastic by mold injection and composed of:

A box (10), as shown in FIG 2A and FIG 4A, is in half elliptic
20 shape appearance with a concaved half ball shape storage space internally; the lower inner wall of the box (10) is protruding out and forms a loading area (12), a collection slot (13) in elliptic indentation shape is on the bottom of the inner wall; two protruding positioning piece (14) are on the top edge of the box (10); several protruding
25 stand (17), as shown in FIG 3, are on the bottom of the box (10),

these protruding stand (17) can stable the box (10) from rolling.

An upper cover (20), as shown in FIG 2A and FIG 4A, is in half elliptic shape with a concaved space internally and is separated into two round collecting slot (211) (212) and a cuneate slot (213) that
5 links the two collecting slot (211) (212); a crooked bendable strip (25) is installed between the edges of the box (10) and the upper cover (20) to make the upper cover (20) to open and close; a joined buckle (26) locates corresponding to the protruding fastener (16) on an indentation of the external front edge of the box (10) to fasten the
10 protruding fastener (16). Two positioning indentation (27) are on the bottom edge of the upper cover (20); when the upper cover (20) closes, two protruding positioning piece (14) of the box (10) wedge into two positioning indentation (27) to avoid the upper cover (20) from moving.

15 A handle (24), as shown in FIG 2A, FIG 4A, FIG 7B and FIG 7B, passes through the top of the upper cover (20); two shaft (22) are fixed on the bottom of the cuneate slot (213) of the upper cover (20), a handle container (23) is on the center of the top wall of the upper cover (20), two feet (241) of the handle (24) insert into the handle
20 container (23), two shaft (22) go through the vertical long hole (242) on the two feet (241) of the handle (24) to have the handle (24) move up and down; when the handle (24) is down, it can be stored in the handle container (23), the two feet (241) go deep into the inner space of the upper cover (20) to prevent the handle (24) from going off;
25 when the handle (24) is up, users can carry the whole box.

A collecting plate (30), as shown in FIG 4A and FIG 4B, is in an independent tray structure and on the loading area (12) that is inside the box (10). Two inward concaved finger slot (18) are on top right and left side of the box (10) for users to take and put back the

collecting plate (30); several indentation slots in different sizes and shapes are on the top of the collecting plate (30) as sleeve slot (31) (32), tool slot (33) (34) and wrench slot (35).

As shown in FIG 5, any hand tool can be inside the box (10),
5 such as pliers (100), knife (200), the collecting plate (13) on the bottom can also stall some necessary small tools and parts. The cuneate slot (213) of the upper cover (20) can wedge some hand tool handle (300), a round bar (400) each is on the two round collecting slot (211) (212) to insert screw drive tip (401). All the hand tools,
10 handles or round bars are inserted into the slots (211) (212) (213) of the upper cover (20) made of elastic plastic firmly without coming off.

As shown in FIG 6, the sleeve slot (31) (32) of the collecting plate (30) can take sleeves in various sizes and functions, the tool
15 slot (35) (36) can install a set of simple sleeve tool (700) (800), the wrench slot (35) can install a wrench (600); an indentation (36) locates across over the wrench slot (35) of the collecting plate (30) for users to take the wrench out easier.

The appearance of the present invention looks like a football
20 and is totally different from the rectangular shape of the prior art, the hemisphere inner space of the box (10) and the upper cover (20) can increase the usable room deeper for better application, the collecting plate (30) in between offers more room for more tools and parts without increasing the overall volume; the storage of the toolbox will
25 not occupy large space, users can carry the toolbox easily.

While a preferred embodiment of the invention has been shown and described in detail, it will be readily understood and appreciated that numerous omissions, changes and additions may be made without departing from the spirit and scope of the invention.